



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Alan J. HOLLOWAY et al.

Group Art Unit: 2878

Application No.: 09/701,699

Examiner: K. Pyo

Filed: December 1, 2000

Docket No.: 108036

For: SURFACE SENSING DEVICE WITH OPTICAL SENSING

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AMENDMENT

**Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231**

Sir:

**In conjunction with request for continued examination filed concurrently herein,
please amend the above-identified application as follows:**

IN THE CLAIMS:

Please replace claim 3 as follows:

3. (Twice Amended) A surface sensing device for use in position determining apparatus and which includes a stylus having a workpiece-contacting tip and an optical transducer system, said optical transducer system comprising a light source for producing a beam of light directed internally of the stylus towards the tip of the stylus, an optical component mounted adjacent the tip of the stylus to return the beam, and a detector positioned relative to the returned beam to receive the beam and to produce a signal indicative of a lateral displacement of the stylus tip, wherein the optical component is a retro-reflecting device which is substantially insensitive to tilting of the stylus tip.

Please add new claims 6-18 as follows:

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